

## 32-6772: GOT2 Mouse

**Application :** Functional Assay

**Alternative Name :** Transaminase A, KAT4, KATIV, KAT-4, KAT-IV, Kynurenine Aminotransferase 4.

### Description

Source: Escherichia Coli.

Sterile filtered colorless solution.

GOT2 is a pyridoxal phosphate-dependent enzyme which is found in cytoplasmic and inner-membrane mitochondrial forms, GOT1 and GOT2. GOT2 takes part in amino acid metabolism and the urea and tricarboxylic acid cycles. Both enzymes are homodimeric and demonstrate close homology.

GOT2 Recombinant Mouse produced in E.Coli is a single, non-glycosylated polypeptide chain containing 424 amino acids (30-430 a.a.) and having a molecular mass of 46.8kDa. Mouse GOT2 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** The GOT2 solution (0.5mg/ml) contains PBS, pH 7.4 and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SGLVPRGSH MSSWTHVEM GPPDPILGVT EAFKRDTNSK KMNLGVGAYR  
DDNGKPYVLP SVRKAEAQIA AKNLDKEYLP IGGLAEFCKA SAELALGENN EVLKSGRFVT VQTISGTGAL  
RVGASFLQRF FKFSRDVFLP KPSWGNHTPI FRDAGMQLQG YRYYPKTCG FDFSGALEDI SKIPEQSVLL  
LHACAHNPTG V DPRPEQWKE IASVVKKKNL FAFFDMAYQG FASGDGDKDA WAVRHFIEQG  
INVCLCQSYA KNMGLYGERV GAFTVVCKDA EEAKRVESQL KILIRPLYSN PPLNGARIAA TILTSPDLRK  
QWLQEVKGMADRIISMRTQL VSNLKEGSS HNWQHITDQI GMFCFTGLKP EQVERLTKEF SVYMTKDGR  
SVAGVTSGNV GYLAHAIHQV.

### Application Note

Activity is greater than 20 units/mg, and is defined as the amount of enzyme that converts 1umole of alpha-ketoglutarate to L-Glutamate per minute at pH 8.0 at 25°C.